

# Residual Current Circuit Breaker with Over-current Protection

This leakage breaker is designed for AC, A, and S systems at 50/60Hz, with a rated voltage of 240V single phase and a rated current up to 63A. It provides protection against overload and short-circuit, and can be used for infrequent line changeovers in normal situations.



## ADDITIONAL IMAGES



## Overview

### Reliable Circuit Protection

The KNBL1-32 series is a high-performance residual current circuit breaker with overcurrent protection (RCBO), designed for AC, A, and S type circuits at 50/60Hz. It provides essential safety by automatically cutting off power within 0.1s during leakage events or electrical shocks. Beyond leakage protection, this versatile device also safeguards lines against overloads and short-circuits, ensuring robust electrical safety for residential and commercial installations.

## Electrical Ratings

Rated Voltage	240 V
Rated Current Options	6A, 10A, 16A, 20A, 25A, 32A
Rated Frequency	50/60Hz
Breaking Capacity	4500 A

## Performance

### Operating Time

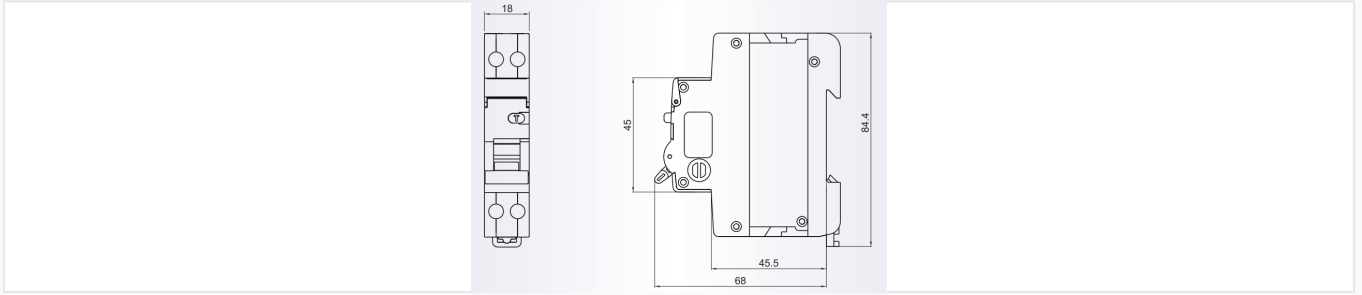
<b>0.3 s</b> Max time at I <sub>h</sub>	<b>0.04 s</b> Max time at 5I <sub>h</sub>
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### Service Life

<b>8000 cycles</b> Mechanical Life	<b>4000 cycles</b> Electrical Life
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Rated Residual Operating Current	10mA, 30mA
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## Technical Specifications



Dimensional drawing illustrating the compact 18mm width and mounting specifications.

### Physical Dimensions

Dimension	Value	Unit
Width	18	mm
Height	84.4	mm
Depth	68	mm

Pole Configuration 1P+N

Release Type C

### Compliance

#### Standards Compliance

IEC/EN 61009-1 • GB 16917.1